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WATER SUPPLY OUTLOOK FOR NEVADA



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U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**NEVADA DEPARTMENT of CONSERVATION
and NATURAL RESOURCES
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1974

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Snow Surveyors near Ship Creek,
Alaska snow course.*

SCS PHOTO A-272-11

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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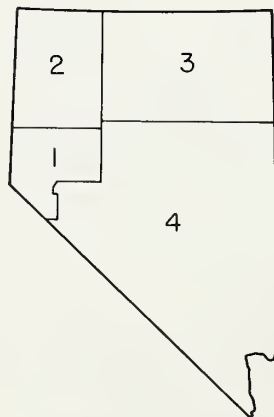
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LIST OF COOPERATORS.....Inside Back Cover

ALL AVERAGES ARE FOR 1958-72 PERIOD



AREA LOCATIONS

WATER SUPPLY OUTLOOK FOR NEVADA

AS OF APRIL 1, 1974, WATERSHED CONDITIONS INDICATE THIS SEASON'S WATER SUPPLY WILL BE VERY GOOD ALONG THE PRINCIPAL WATERSHEDS THROUGHOUT THE STATE. GENERALLY, THE MOUNTAIN SNOWPACK IS ABOVE OR NEAR AVERAGE THROUGHOUT NEVADA AND THE EAST SLOPE OF THE SIERRA NEVADA.

RESERVOIR STORAGE IS EXCELLENT, WITH A MAJORITY OF THE RESERVOIRS NEARLY FULL OR FILLED TO CAPACITY AT THIS TIME.

STREAMFLOW FORECASTS INDICATE ALL STREAMS IMPORTANT TO NEVADA'S WATER SUPPLY WILL PRODUCE ABOVE AVERAGE FLOWS THIS SPRING AND SUMMER.

East Slope Sierra Nevada

Snow surveys conducted near the first of April indicate all watersheds on the east slope of the Sierra Nevada have above average snowpack conditions. Lake Tahoe and Truckee River watersheds have 119 and 111 percent of average snowpack, respectively. The Carson watershed has 118 percent of normal snowpack, and the Walker River drainage is slightly less at 111 percent.

The entire area experienced warm weather during mid-March. This ripened most of the snowpack and melted much of the lower elevation snow cover. The melting snows primed the watersheds and started streamflow runoff. The primed condition will allow a majority of the remaining snow cover to produce streamflow.

Reservoir storage is excellent in all three river basins. Stored water in the Truckee Basin is 135 percent of average; Lahontan Reservoir in the Carson watershed contains 275,000 acre-feet, which is 94 percent of capacity, and Topaz and Bridgeport Reservoirs on the Walker River are full.

Streamflow is expected to be above average throughout the entire area this spring and summer. This streamflow, coupled with the excellent reservoir supplies, indicates a very good water supply for western Nevada this irrigation season.

Humboldt and Owyhee Drainages

Water supplies will be very good this spring and summer over the entire Humboldt, Owyhee, and Upper Salmon Falls drainages. Mountain snowpacks are generally average to above average in the Humboldt Basin except in the Santa Rosa Mountains north of Winnemucca, where much of this season's snowpack melted during March. The Owyhee and Salmon Falls Creek watersheds have 105 percent of average snow conditions remaining.

Reservoir storage is excellent, with Rye Patch and Wild Horse containing nearly 170 percent of average amounts.

Streamflow throughout the Upper Humboldt, Owyhee, and Salmon Falls Creek drainages will be above average this summer. The Humboldt River is expected to flow 225,000 acre-feet at the Palisades gaging station. This is 117 percent of average. Martin Creek and the Little Humboldt River north of Winnemucca are expected to flow 10 percent below average this season.

Northern Great Basin

Water supplies are expected to be excellent in Surprise Valley this summer. This season's snowpack ranges from 136 percent of average on the Bidwell Creek watershed to 156 percent on the Eagle Creek drainage. Streamflow forecasts reflect these snow conditions, with Bidwell Creek forecast to flow 15,200 acre-feet for the April-July period.

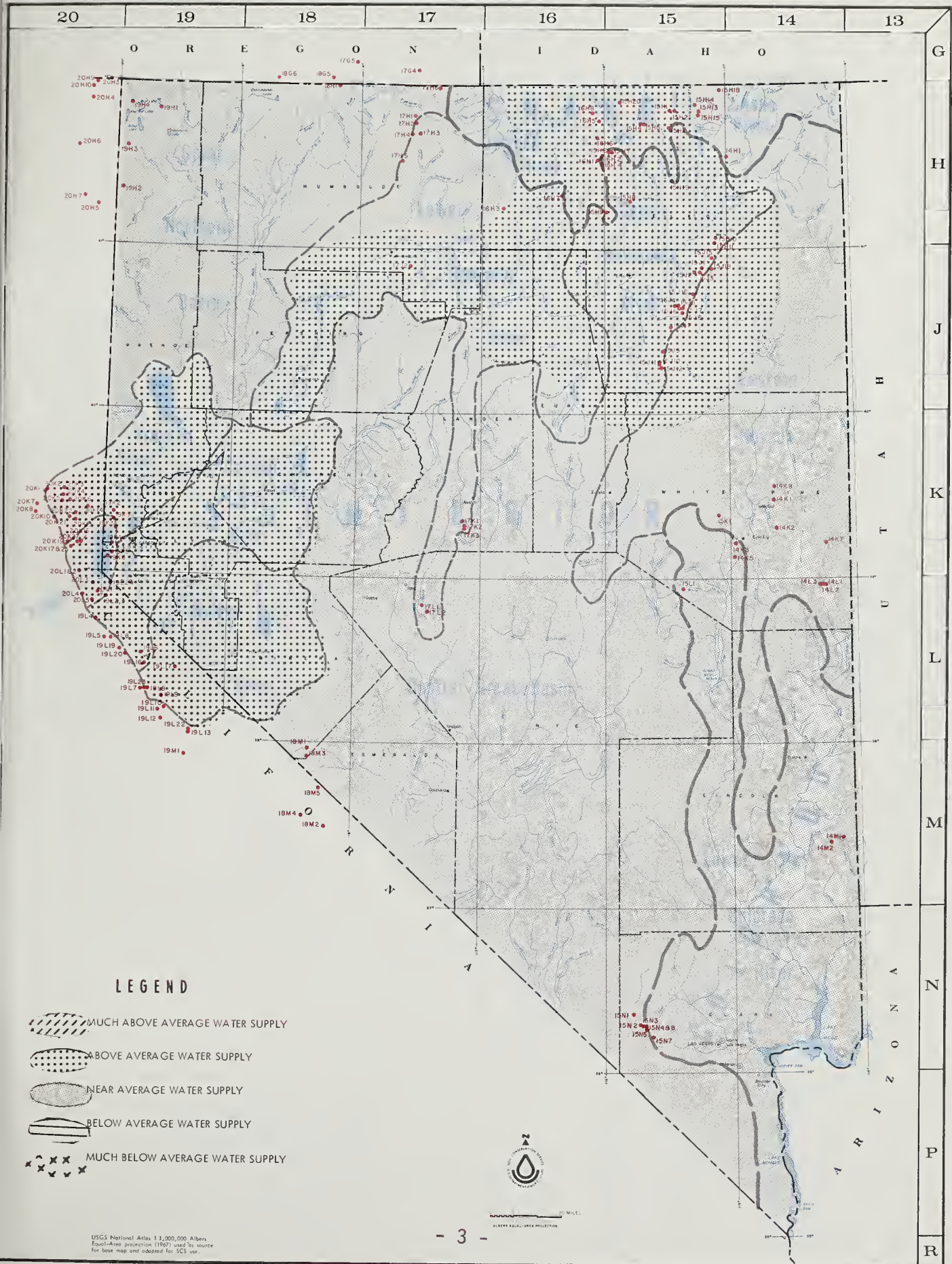
Eastern and Central Nevada

The remaining mountain snowpack varies from 92 percent of average in White Pine County to 123 percent in the Toiyabe range south of Austin. Water supplies derived from direct streamflow in White Pine, Eureka, and Lander Counties will be near average for the spring and early summer period. Late season flows will be less than normal in White Pine County.

Southern Nevada

Small, direct-flow irrigation supplies will be generally near average throughout southern Nevada. Much of this year's mountain snowpack has melted, leaving 85 percent of average snow conditions on Mt. Charleston near Las Vegas. The White Mountains which supply water for Fish Lake Valley have a 104 percent of average snowpack.

PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H1MA	Bear Creek	31	46N	58E	7800
15H2	Fox Creek	33	46N	58E	6800
15H13A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
14H1	Jakes Creek	6	42N	62E	7000
15H20a	Merritt Mountain	10	46N	54E	7000
15H14A	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H3A	76 Creek	6	44N	58E	7100
15H19a	Stag Mountain	29	41N	58E	7800

OWYHEE RIVER					
15H4MP	Big Bend	30	45N	56E	6700
16H6a	Columbia Basin	31	44N	53E	6650
16H8a	Fawn Creek	2	45N	52E	7000
15H5	Gold Creek	32	45N	56E	6600
16H1M	Jack Creek, Lower	18	42N	53E	6800
16H2A	Jack Creek, Upper	9	42N	53E	7250
16H4	Jacks Peak	28	42N	53E	8420
16H5	Laurel Draw	20	45N	53E	6700
17G4a	Louse Canyon (Oreg.)	27	40S	44E	6440
15H9MP	Taylor Canyon	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	American Beauty	32	31N	58E	7800
15J12A	Corral Canyon	27	28N	57E	8500
15J1MP	Oorsey Basin	28	35N	60E	8100
15J3	Ory Creek	5	34N	60E	6500
15H7	Fry Canyon	31	43N	54E	6700
15J9MP	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J4	Lamoille #1	15	32N	58E	7100
15J5	Lamoille #2	14	32N	58E	7200
15J6M	Lamoille #3	24	32N	58E	7700
15J7	Lamoille #4	19	32N	59E	8000
15J8P	Lamoille #5	31	32N	59E	8700
15J18a	Pole Canyon	31	35N	61E	9140
15J16a	Robinson Lake	23	33N	59E	9200
15H6MP	Rodeo Flat	36	43N	53E	6800
15J2	Ryan Ranch	1	34N	59E	5800
15H8	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K1	Big Creek Camp Ground	10	17N	43E	6600
17K2	Big Creek Mine	23	17N	43E	7600
17K3	Big Creek, Upper	26	17N	43E	7800
17H2	Buckskin, Lower	25	45N	39E	6700
17H1	Buckskin, Upper	11	45N	39E	8200
17L1	Corral, Lower	12	11N	40E	7500
17L2	Corral, Upper	20	11N	41E	8000
17J2	Golconda #2	22	35N	39E	6000
17H4	Granite Peak	22	44N	39E	7800
17H5	Lamance Creek	13	42N	38E	6000
17H3	Martin Creek	18	44N	40E	6700
16H3AP	Midas	18	39N	46E	7200
16H7	Toe Jam a	29	40N	50E	7700

EASTERN NEVADA					
14L1	Baker #1	29	13N	69E	7950
14L2	Baker #2	30	13N	69E	8950
14L3	Baker #3	25	13N	68E	9250
14K2	Berry Creek	26	17N	65E	9100
14K1	Bird Creek	34	19N	65E	7500
15J15	Hole-In-Mountain	6	35N	61E	7900
14K8	Kalamazoo Creek	34	20N	65E	7400
14K3	Murray Summit	25	16N	62E	7250
15K1	Robinson Summit	34	18N	61E	7600
14K7	Silver Creek #2	30	16N	69E	8000
14K5	Ward Mountain #2	25	15N	62E	8900

CENTRAL GREAT BASIN					
18M2	Campito Mountain (Cal.)	19	5S	35E	10200
18M5a	Chiatovich Flat	32	2S	34E	10500
15N2	Clark Canyon	8	19S	56E	9000
18M1	Montgomery Pass	4	1N	33E	7100
18M3a	Pinchot Creek	28	1N	33E	9300
18M4a	Piute Pass (Cal.)	33	4S	33E	11700
15N1	Trough Springs	23	18S	55E	8500

NORTHERN GREAT BASIN					
19H1	Bald Mountain	17	45N	21E	6720
20H5	Barber Creek (Cal.)	23	39N	16E	6500
20H6	Cedar Pass (Cal.)	12	43N	14E	7100
18G6a	Oeno Creek (Oreg.)	14	41S	34E	6000
18H1	Oisaster Peak	8	47N	34E	6500
20H3a	Oismal Swamp (Cal.)	31	48N	17E	7000
20H7	Eagle Peak (Cal.)	35	40N	15E	7200
19H3	49-Mountain	7	42N	19E	6000
19H2	Hays Canyon	1	39N	18E	6400
19H4a	Little Bally Mountain	8	45N	19E	6000
20H9	Mt. Bidwell	6	47N	16E	7200
20H10	North Star	13	47N	15E	6200
17G5a	Oregon Canyon (Oreg.)	9	40S	40E	7240
17H6a	Quinn Ridge	9	47N	41E	6300
20H4	Reservation Creek (Cal.)	12	46N	15E	5900
18G5a	Trout Creek (Oreg.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
LAKE TAHOE					
20L5	Echo Summit (Cal.)	6	11N	18E	7450
19L2	Freel Bench (Cal.)	36	12N	18E	7300
19K6	Glenbrook #2	13	14N	18E	6900
19L3MSZ	Hagans Meadow (Cal.)	36	12N	18E	8000
20L4	Lake Lucille (Cal.)	28	12N	17E	8200
19K4MSTZ	Marlette Lake	18	15N	19E	8000
20L3	Richardsons #2 (Cal.)	6	12N	18E	6500
20L1	Rubicon #1 (Cal.)	6	13N	17E	8100
20L2	Rubicon #2 (Cal.)	6	13N	17E	7500
20K16	Tahoe City (Cal.)	6	15N	17E	6250
19L1	Upper Truckee (Cal.)	21	12N	18E	6400
20K17M	Ward Creek (Cal.)	21	15N	16E	7000
20K25STZ	Ward Creek #2 (Cal.)	21	15N	16E	6750
20K27	Tahoe City Cross (Cal.)	1	15N	16E	6750

TRUCKEE RIVER					
20K14	Boca #2 (Cal.)	28	18N	17E	5900
20K22	Brookway Summit (Cal.)	3	17N	16E	7100
20K21	Gonner Park #2 (Cal.)	18	17N	16E	6000
20K10	Gonner Summit (Cal.)	25	17N	14E	6900
20K7*	Fordyce Lake (Cal.)	34	18N	13E	6500
20K8*	Furnace Flat (Cal.)	10	17N	13E	6700
19L245	Heavenly Valley (Cal.)	1	12N	18E	8850
20K4MSTPZ	Independence Camp (Cal.)	34	19N	15E	7000
20K3	Independence Creek (Cal.)	14	19N	15E	6500
20K5	Independence Lake (Cal.)	9	18N	15E	8450
19K3	Little Valley	17	16N	19E	6300
19K2	Mt. Rose	7	17N	19E	9000
19K7	Mt. Rose Ski Area	30	17N	19E	9000
20K6	Sage Hen Creek (Cal.)	7	18N	16E	6500
20K19	Squaw Valley #2 (Cal.)	6	15N	16E	7500
20K13M	Truckee #2 (Cal.)	22	17N	16E	6400
20K2*	Webber Lake (Cal.)	29	19N	14E	7000
20K1*	Webber Peak (Cal.)	30	19N	14E	8000

CARSON RIVER					
19L5	Blue Lakes (Cal.)	30	9N	19E	8000
19L4	Carson Pass, Upper (Cal.)	22	10N	18E	8600
19K5	Clear Creek	6	14N	19E	7300
19L19a	Ebbetts Pass (Cal.)	17	8N	20E	8700
19L16a	Fish Valley, Upper (Cal.)	1	7N	22E	8050
19L06a	Poison Flat (Cal.)	25	8N	21E	7900
19L18A5	Wet Meadows Lake (Cal.)	26	9N	19E	8100
19L20a	Wolf Creek (Cal.)	35	8N	20E	8000

WALKER RIVER					
19L11	Buckeye Forks (Cal.)	20	4N	23E	8500
19L10	Buckeye Roughs (Cal.)	15	4N	23E	7900
19L12A	Center Mountain (Cal.)	4	3N	23E	9400
19L8	Leavitt Meadows (Cal.)	4	5N	22E	7200
19L17a	Lobdell Lake (Cal.)	20	7N	24E	9200
19L7M	Sonora Pass (Cal.)	1	5N	21E	8800
19L235TPZ	Sonora Pass Bridge	6	5N	22E	8800
19M1*	Tioga Pass (Cal.)	30	1N	25E	9900
19L13	Virginia Lakes (Cal.)	5	2N	25E	9500
19L22MSZ	Virginia Lakes Ridge	32	3N	25E	9200
19L9	Willow Flat (Cal.)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER					
15N5	Kyle Canyon	27	19S	56E	8200
15N4	Lee Canyon #1	10	19S	56E	8400
15N3	Lee Canyon #2	9	19S	56E	9200
15N8	Lee Canyon #3	10	19S	56E	8500
14M1	Mathew Canyon	10	6S	70E	6000
14M2	Pine Canyon	23	6S	69E	6200
15N7	Rainbow Canyon #2	6	20S	57E	8100
15L1	White River #1	31	13N	59E	7400

LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	Snow Course Only
19K4S	Snow Course and Snow Pillow
19K4M	Snow Course and Soil Moisture
19K4A	Snow Course and Aerial Marker
19K4P	Snow Course and Storage Precipitation Gage
19K4MA	Snow Course, Soil Moisture and Aerial Marker
19K4MP	Snow Course, Soil Moisture and Precipitation Gage
19K4STZ	Snow Course, Snow Pillow and Temperature Radio Telemetered.

Lower case letters m, a, p, s, t, z, indicate no snow course, only a Soil Moisture Station, Aerial Marker, Storage Precipitation Gage, Snow Pillow, Temperature, or Radio Telemetered.

*Located on adjacent watershed

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1974

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1958-72 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>TRUCKEE RIVER</u>				
Little Truckee River above Boca, CA ¹	April-July	115	129	89
Truckee River at Farad, CA ^{1,2}	April-July	320	120	267
Lake Tahoe, Rise in Feet (assuming gates closed) ²	April-High	1.70	116	1.46
<u>CARSON RIVER</u>				
East Carson near Gardnerville, NV	April-July	200	110	182
West Carson at Woodfords, CA	April-July	60	115	52
Carson River near Carson City, NV	April-July	193	108	178
Carson River near Fort Churchill, NV	April-July	183	115	159
<u>WALKER RIVER</u>				
East Walker near Bridgeport, CA ¹	April-Aug.	70	103	68
West Walker below Little Walker near Coleville, CA	April-July	160	110	145
<u>COLORADO RIVER</u>				
Virgin River at Virgin, UT	April-June	25	52	48
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, NV	April-July	30	107	28
South Fork Humboldt near Elko, NV	April-July	83	126	66
Marys River above Hot Springs, NV	April-July	36	106	34
North Fork Humboldt at Devils Gate, NV	April-July	32	100	32
Humboldt River at Palisade, NV	April-July	225	117	193
Humboldt River at Comus, NV	April-July	169	113	149
Martin Creek near Paradise, NV	April-July	14	88	16

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1974

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
<u>SNAKE RIVER</u>				
Owyhee River near Owyhee, NV ¹	April-July	80	118	68
Owyhee River near Gold Creek, NV ¹	April-July	25	139	18
Salmon Falls Creek near San Jacinto, NV	March-Sept.	100	119	80
	March-July	95	119	84
<u>SURPRISE VALLEY</u>				
Bidwell Creek near Fort Bidwell, CA	April-July	15.2	132	11.5
Mill Creek near Cedarville, CA	April-July	6.0	127	4.7
Deep Creek near Cedarville, CA	April-July	5.0	151	3.3
Eagle Creek near Easleyville, CA	April-July	6.3	143	4.4
¹ Corrected for storage ² Forecast issued by Truckee Basin Water Committee				

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Little Truckee River - Inflow to Stampede Reservoir	1125-1375	910
East Fork Carson River near Gardnerville, NV	1710-2090	1728
Carson River near Carson City, NV	1850-2260	1901
Carson River near Fort Churchill, NV	1755-2145	1730
West Walker River below Little Walker near Coleville, CA	1470-1790	1532

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River near Gardnerville, NV	200	7/24	7/20

SOIL MOISTURE MEASUREMENTS

STATION	Profile (Inches)		Soil Moisture (Inches)		
	Depth	Capacity	Date	This Year	Average †
<u>OWYHEE-HUMBOLDT BASIN</u>					
Bear Creek	72	16.9	3/27	10.5	11.5*
Big Bend	48	16.7	3/21	16.7	15.0*
Rodeo Flat	42	11.0	3/21	7.8	8.4*
Taylor Canyon	48	15.1	3/27	15.1	12.9*
<u>TAHOE-TRUCKEE BASIN</u>					
Independence Camp	34	6.1	4/2	2.6	4.6*
Marlette Lake	50	3.7	4/1	2.5 ^e	2.9*
<u>WALKER BASIN</u>					
Sonora Pass	48	8.3	4/1	6.1 ^e	7.5*
Virginia Lakes Ridge	40	5.0	4/1	3.1 ^e	2.1*

* Adjusted average
e Estimate

† 1958-1972 period.

RESERVOIR STORAGE (Thousand Acre Feet) as of April 1, 1974

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	65	61	23
Lower Humboldt	Rye Patch	157	152	187	105
Colorado	Mohave	1,810	1,638	1,679	1,675
Colorado	Mead	27,217	19,482	19,980	16,926
Tahoe	Tahoe	732	622	542	456
Truckee	Boca	41	33	32	15
Truckee	Stampede	220	203	130	**
Truckee	Prosser ***	30	10	10	8 *
Carson	Lahontan	291	275	263	218
West Walker	Topaz	59	60	39	43
East Walker	Bridgeport	42	43	29	33

* Adjusted Average
 ** Storage began August 1, 1969
 *** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	820	867	718
January 1	1,015	917	714
February 1	1,147	1,025	782
March 1	1,103	1,093	843
April 1	1,250	1,153	893
May 1		1,194	934

† 1958-1972 period.

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.

TOTAL USABLE CAPACITY 1,394

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>LAKE TAHOE</u>						
Echo Summit (CA)		3/28	86	36.4	39.0	34.0
Freel Bench (CA)		3/31	28	10.1	15.4	10.2
Glenbrook #2		3/30	32	10.6	12.7	11.2
Hagans Meadow		3/31	53	22.3	21.9	16.7
Heavenly Valley		3/31	80	31.6	30.2	-
Lake Lucille (CA)		3/31	182	74.3	63.3	58.4
Marlette Lake		4/2	69	26.6	24.8	21.0
Richardsons #2 (CA)		3/27	46	17.5	19.8	15.3
Rubicon #1 (CA)		3/31	178	62.9	50.0	48.9
Rubicon #2 (CA)		3/31	95	36.4	33.5	29.8
Tahoe City (CA)		4/1	17	6.5	16.1	8.0
Tahoe City Alternate (CA)		3/31	14	5.0	16.2	-
Tahoe City Cross (CA)		4/1	60	21.6	23.4	-
Upper Truckee (CA)		3/31	12	3.1	12.6	8.1
Ward Creek #2 (CA)		3/31	144	59.0	46.7	42.7
Ward Creek #3 (CA)		3/31	111	45.9	41.1	-
<u>TRUCKEE RIVER</u>						
Boca #2 (CA)		3/31	2	0.4	7.0	4.3
Brockway Summit (CA)		3/30	53	17.6	22.8	16.2*
Donner Park #2 (CA)		3/31	35	12.3	21.9	17.2*
Donner Summit (CA)		3/22	89	42.1	47.5	36.4
Fordyce Lake (CA)		3/22	94	44.5	49.6	38.2*
Furnace Flat (CA)		3/22	110	52.0	54.6	47.7*
Independence Camp (CA)		4/2	84	31.8	26.1	22.6
Independence Creek (CA)		4/2	36	13.7	17.1	12.9
Independence Lake (CA)		4/2	148	55.4	43.9	42.5
Little Valley		3/29	7	2.5	8.0	7.4*
Mount Rose		3/31	97	37.6	44.1	35.9
Mount Rose Ski Area		3/31	130	51.2	43.7	-
Sage Hen Creek (CA)		4/2	48	18.5	22.4	17.7
Squaw Valley #2 (CA)		3/31	159	61.4	55.1	47.3
Truckee #2 (CA)		3/28	35	13.1	18.8	14.5
Webber Lake		3/21	82	32.0	35.1	28.6*
Webber Peak		3/21	118	48.5	45.1	43.0*
<u>CARSON RIVER</u>						
Blue Lakes		3/20	96	35.8	43.0	36.3
Carson Pass, Upper (CA)		3/20	83	35.0	39.8	35.5
Clear Creek		3/29	32	9.8	15.3	12.4
Ebbetts Pass (CA)		3/31	120	48.0a	51.6a	25.2*
Fish Valley, Upper (CA)		3/31	36	14.0a	21.1a	12.7*
Poison Flat		3/31	43	17.1	21.1a	12.4*
Wet Meadows Lake (CA)		3/31	62	24.8a	35.9a	24.2*
Wet Meadows #2 (CA)		3/31	93	34.1	43.1	-
Wolf Creek (CA)		3/31	84	33.6a	43.2a	25.8*

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>WALKER RIVER</u>						
Buckeye Forks (CA)		3/28	73	25.8	27.5	21.1
Buckeye Roughts (CA)		3/28	51	23.1	23.3	19.1
Center Mountain		3/27	103	40.5	40.2	36.0
Leavitt Meadow (CA)		3/31	8	2.7	13.9	7.0
Lobdell Lake		3/31	48	18.7a	23.6a	14.9
Sonora Pass (CA)		3/31	69	28.5	32.0	23.8
Tioga Pass (CA)		3/26	74	26.4	27.7	24.7
Virginia Lakes (CA)		3/31	48	18.3	21.9	17.2
Virginia Lakes Ridge (CA)		3/31	58	20.3	21.9	-
Willow Flat (CA)		3/31	22	9.5	17.4	10.0
<u>NORTHERN GREAT BASIN</u>						
Bald Mountain		4/1	20	6.6	5.2	2.5
Barber Creek (CA)		3/18	45	16.4	14.4	10.5
Cedar Pass (CA)		3/19	58	21.3	19.0	15.6
Denio Creek (OR)		3/26	0	0.0a	0.0a	0.2*
Disaster Peak		3/26	34	14.2	12.1	10.8
Dismal Swamp (CA)		4/3	59	24.2a	18.9	18.5*
Eagle Peak (CA)		3/27	48	20.0	16.2	13.9
49 Mountain		4/1	5	1.8	5.3	2.5
Hays Canyon		3/24	0	0.0	6.4	2.5
Little Bally Mountain		4/2	6	1.9a	3.4	1.6*
Mount Bidwell		3/27	64	25.6	25.8	-
North Star		3/27	40	15.4	16.3	-
Oregon Canyon (OR)		3/26	10	4.4a	10.5a	4.1*
Quinn Ridge		3/26	0	0.0a	0.0	0.8*
Reservation Creek (CA)		3/29	33	12.6	11.2	10.1
Trout Creek (OR)		3/26	21	9.2a	15.7a	7.3
<u>SNAKE RIVER</u>						
Bear Creek		3/27	57	20.9	22.8	21.0
Fox Creek		3/27	23	8.0	11.7	9.4
Goat Creek		3/27	55	18.8	20.2	18.8
Hummingbird Springs		3/27	72	25.4	24.2	23.6
Merritt Mountain		3/31	12	4.5a	5.4a	4.2*
Pole Creek Ranger Station		3/27	62	21.9	23.4	20.6
Red Point		3/27	36	13.6	14.7	10.3*
76 Creek		3/27	35	12.9	12.1	11.6*
Stag Mountain		3/31	16	6.1a	8.7a	3.7*

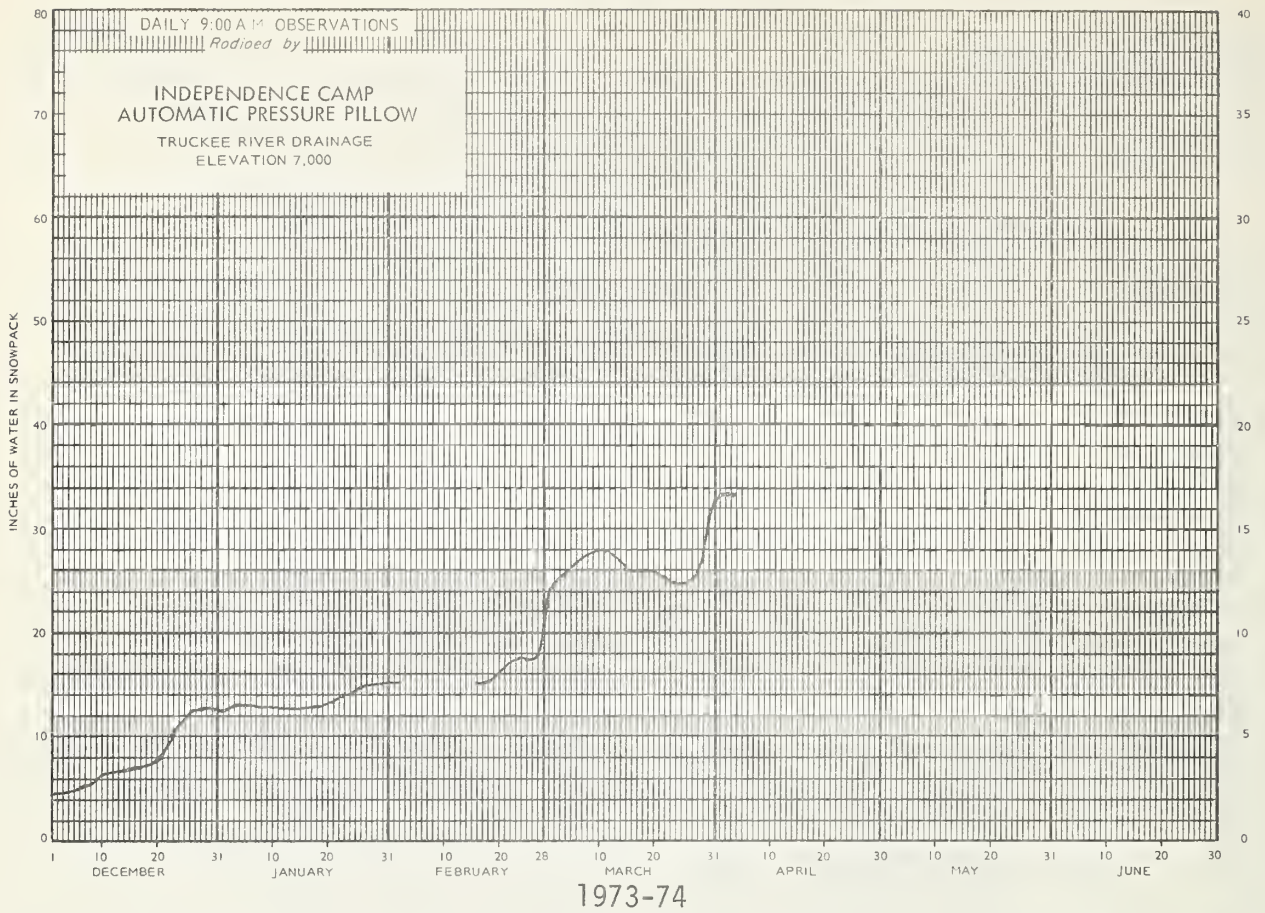
SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OWYHEE RIVER</u>						
Big Bend		3/21	31	11.2	8.4	8.1
Columbia Basin		3/31	18	6.5a	11.9a	5.9*
Fawn Creek		3/31	20	7.4a	13.2a	2.5*
Gold Creek		3/21	14	5.1	5.3	4.9
Jack Creek, Lower		3/27	0	0.0	4.0	2.5
Jack Creek, Upper		3/27	26	9.2	11.7	10.0
Jacks Peak		3/27	75	25.1	25.4	24.6
Laurel Draw		3/29	20	7.0	8.7	6.5*
Louse Canyon (OR)		3/26	13	5.7a	3.4a	1.9*
Taylor Canyon		3/27	0	0.0	7.0	2.7
<u>UPPER HUMBOLDT RIVER</u>						
American Beauty		3/31	24	9.1a	17.2a	7.2
Corral Canyon		3/31	48	18.7a	24.0	18.0
Dorsey Basin		3/26	37	13.6	12.9	12.3
Dry Creek		3/26	0	0.0	2.6	1.8
Fry Canyon		3/21	18	6.8	8.5	5.3
Green Mountain		3/20	41	14.3	18.5	12.2
Harrison Pass #1		3/28	0	0.0	7.9	2.4
Harrison Pass #2		3/28	8	2.5	11.4	4.4
Lamoille #1		3/22	24	8.2	13.4	7.6
Lamoille #2		3/22	23	8.8	13.0	7.8
Lamoille #3		3/22	35	13.1	15.1	11.6
Lamoille #4		3/22	51	20.1	24.0	18.0
Lamoille #5		3/22	81	32.0	25.6	27.3
Pole Canyon		Marker Destroyed			19.8a	8.8*
Robinson Lake		Marker Destroyed			42.9a	23.1*
Rodeo Flat		3/21	15	5.5	7.7	5.1
Ryan Ranch		3/26	0	0.0	0.0	0.4
Tent Mountain		3/31	62	24.8a	29.0a	20.2
Tremewan Ranch		3/21	0	0.0	0.0	0.2
Trout Creek, Lower		3/26	3	1.0	5.5	2.4
Trout Creek, Upper		Marker Destroyed			30.4a	18.0
<u>LOWER HUMBOLDT RIVER</u>						
Big Creek Campground		3/28	0	0.0	9.3	0.5
Big Creek Mine		3/28	13	4.6	13.3	2.9
Big Creek, Upper		3/28	18	6.0	17.7	5.2
Buckskin, Lower		3/27	16	4.7	8.3	7.4
Buckskin, Upper		3/27	22	6.9	12.0	10.4
Corral, Lower		No Survey			NS	0.4*
Corral, Upper		No Survey			NS	2.2*
Golconda #2		4/1	1	0.1	4.2	2.8
Granite Peak		3/28	38	13.7	15.8	15.4*
Lamance Creek		3/27	1	0.1	7.8	7.0
Martin Creek		3/28	23	6.3	9.3	9.1
Midas		4/2	5	0.5	4.9	2.7

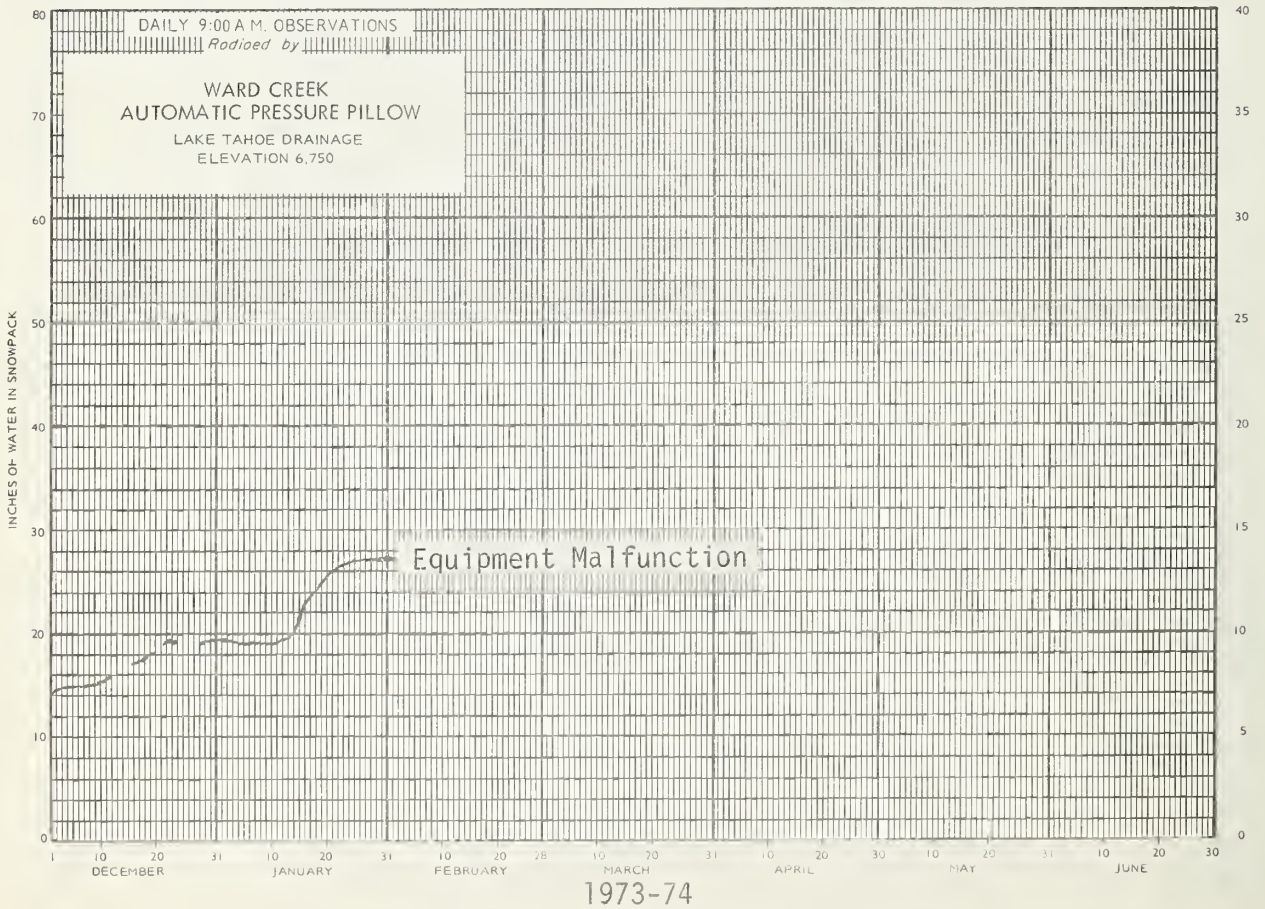
SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Last Year	Average †
<u>LOWER HUMBOLDT RIVER (cont)</u>					
Toe Jam	3/31	24	8.9a	14.2a	6.8*
<u>EASTERN NEVADA</u>					
Baker #1	3/25	14	4.0	9.1	5.8
Baker #2	3/25	34	11.2	17.4	13.8
Baker #3	4/4	37	14.4a	21.8a	15.8
Berry Creek	3/27	51	14.1	21.9	14.5
Bird Creek	3/27	6	1.9	6.1	2.2
Hole-in-Mountain	3/25	63	25.3	18.3	22.7
Kalamazoo Creek	3/26	25	7.6	13.4	5.4
Mount Defiance	4/4	58	21.5a	24.6	-
Murray Summit	3/28	0	0.0	7.5	1.6
Robinson Summit	3/27	0	0.0	4.1	0.9
Silver Creek #2	4/4	12	4.8a	11.2a	4.9
Ward Mountain #2	4/4	14	5.6a	13.8a	9.3
White River #1	3/28	0	0.0	-	1.3*
<u>CENTRAL GREAT BASIN</u>					
Campito Mountain (CA)	3/27	21	5.0	7.1	4.0*
Chiatovich Flat	3/31	10	2.3a	2.1a	3.9*
Clark Canyon	3/27	17	6.1	17.7	6.7
Montgomery Pass	3/29	0	0.0	1.7	0.8*
Pinchot Creek	3/31	8	1.8a	2.1a	1.2*
Piute Pass (CA)	3/31	9	2.0a	1.0a	4.9*
Trough Springs	3/27	9	3.2	17.7	4.2*
<u>LOWER COLORADO RIVER</u>					
Kyle Canyon	3/28	18	7.1	20.2	7.4
Lee Canyon #2	3/28	14	5.6	22.1	8.0
Lee Canyon #3	3/28	14	5.1	17.6	6.6*
Mathew Canyon	4/1	1	0.1	4.9	0.6
Pine Canyon	4/1	1	0.1	5.0	0.5
Rainbow Canyon #2	3/28	35	13.1	28.1	14.1
<u>Delayed Data for March</u>					
Clear Creek	2/28	35	12.0	13.0	11.1
Little Valley	2/28	15	5.3	8.7	8.8*
NOTE: All averages based on 1958-72, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1958-72 adjusted average.					

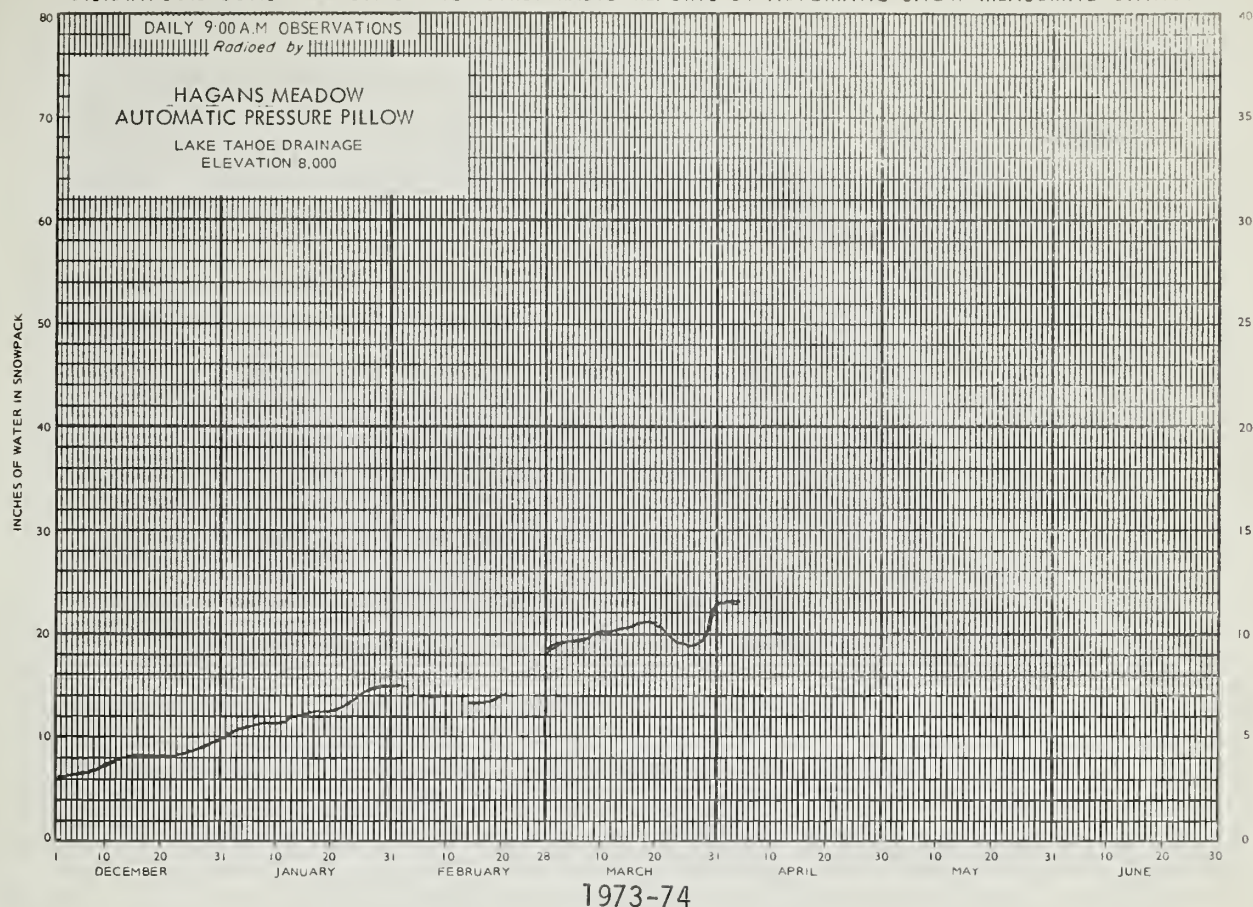
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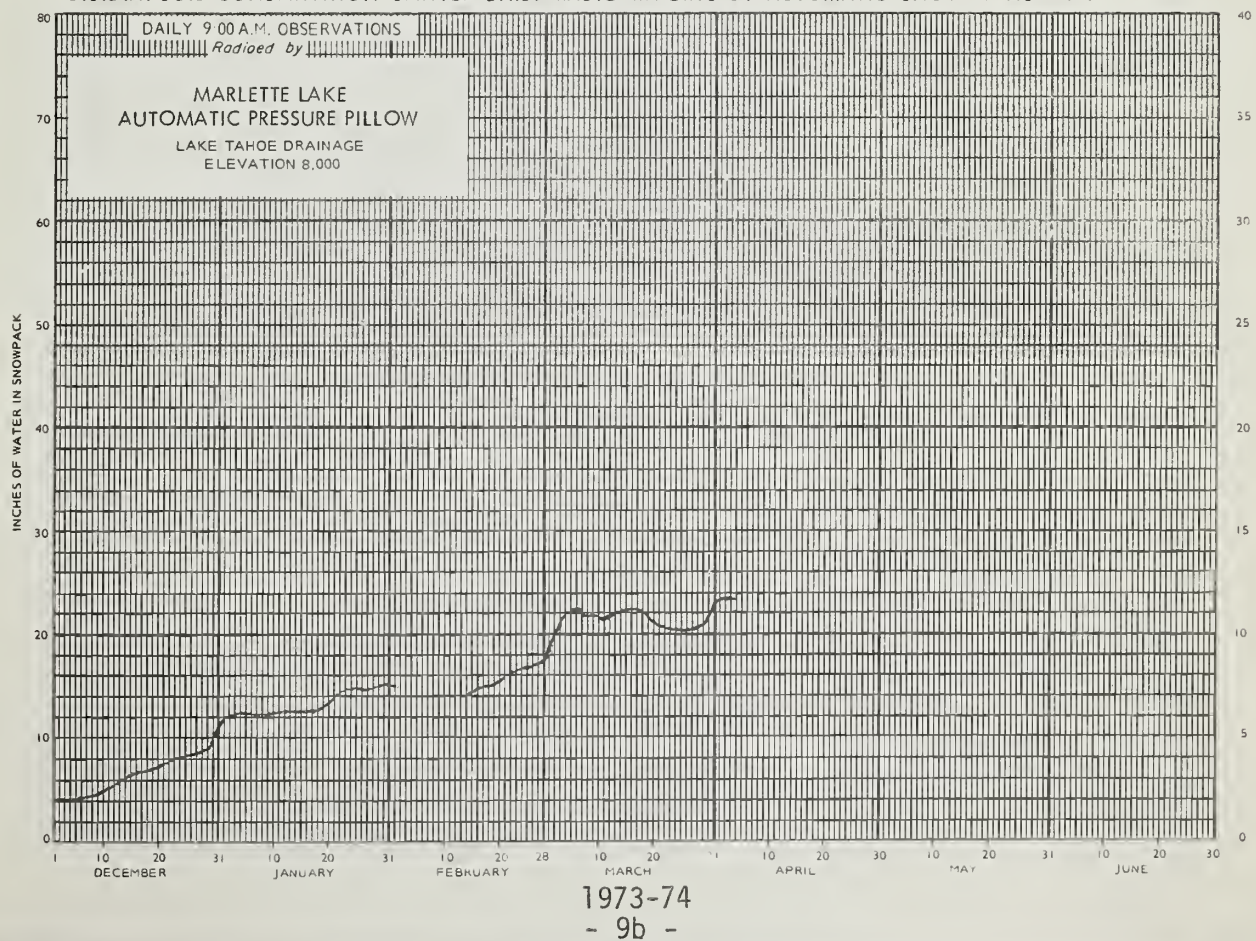
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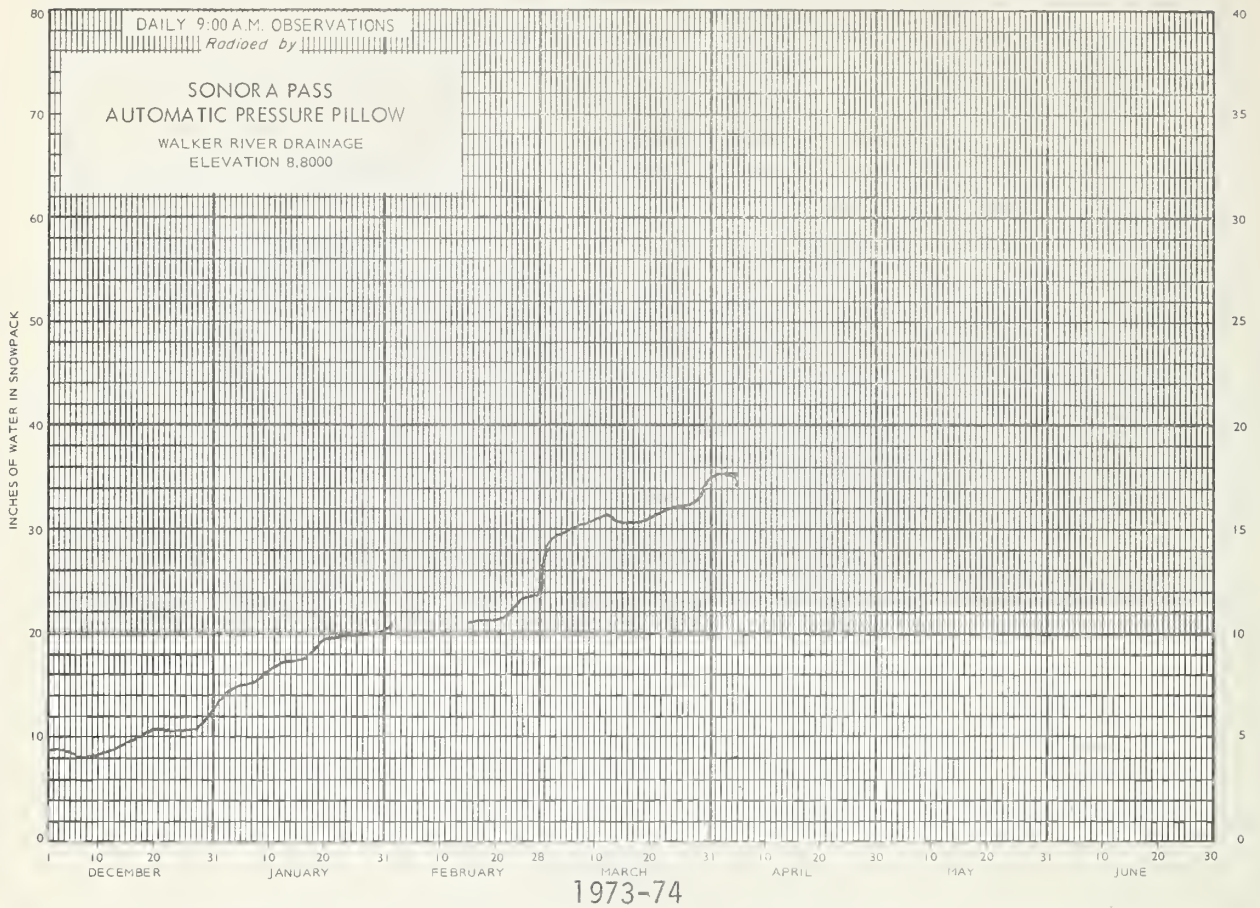
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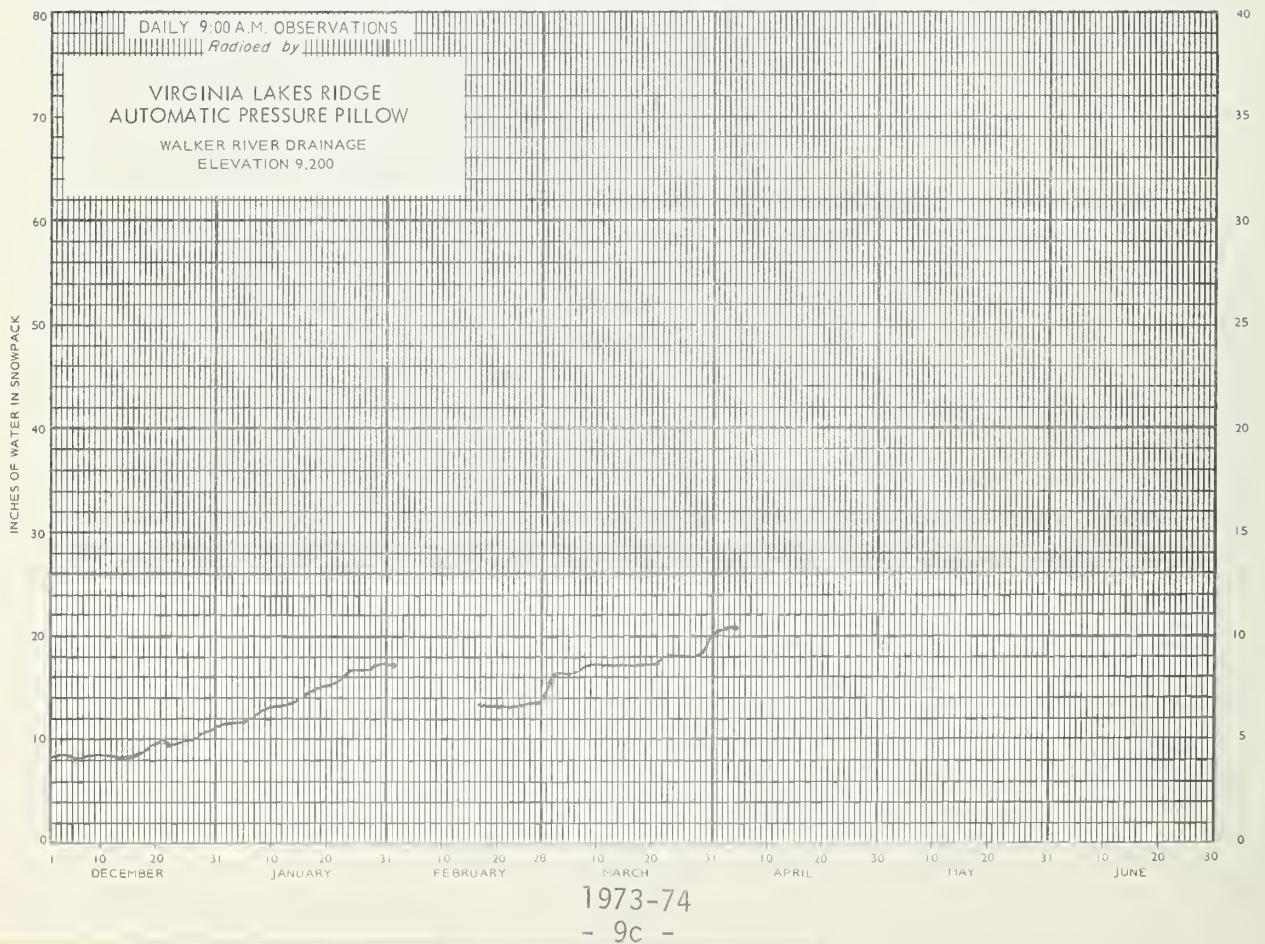
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Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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with the Snow Survey"*